## WHAT IS CLAIMED IS:

1	1. A method for providing services via a packet-switched (PS) multimedia	
2	network to users communicating in a circuit-switched (CS) domain, comprising:	
3	establishing a dialog between a plurality of terminals through the PS	
4	multimedia network;	
5	providing at least one service to at least one of the terminals via the dialog;	
6	communicating CS bearer information between the plurality of terminals	
7	via the dialog, wherein the CS bearer information includes at least an indication that a	
8	communication flow is requested via a CS network; and	
9	effecting the communication flow between the plurality of terminals via the	
10	CS network as directed by the CS bearer information.	
1	2. The method of Claim 1, wherein establishing the dialog between the	
2	plurality of terminals through the PS multimedia network comprises establishing the dialo	
3	between the plurality of terminals utilizing Session Initiation Protocol (SIP) via a SIP	
4	infrastructure.	
1	3. The method of Claim 1, wherein the PS multimedia network comprises an	
2	Internet Protocol Multimedia Subsystem (IMS), and wherein establishing a dialog betwee	
3		
	a plurality of terminals comprises establishing a dialog using a Session Initiation Protocol	
4	(SIP) through the IMS.	
1	4. The method of Claim 3, wherein establishing a dialog using SIP comprises	
2	sending a SIP INVITE message from a first of the plurality of terminals to at least a secon	
3	of the plurality of terminals, and wherein communicating CS bearer information comprise	
4	communicating the CS bearer information by way of a session description provided via a	
5	message body of the SIP INVITE message.	
1	5. The method of Claim 3, wherein communicating CS bearer information	
2	comprises communicating the CS bearer information by way of a session description	
3	definition provided via the SIP dialog.	

- 1 6. The method of Claim 5, wherein communicating the CS bearer information 2 by way of a session description definition comprises communicating the CS bearer 3 information by way of a Session Description Protocol (SDP).
- 7. The method of Claim 6, wherein communicating the CS bearer information by way of an SDP comprises communicating at least some of the CS bearer information via a media type particular to communication flows via the CS network.
- 1 8. The method of Claim 7, wherein communicating the CS bearer information 2 by way of an SDP further comprises communicating at least some of the CS bearer 3 information via an SDP connection data field identifying the CS network.
- 9. The method of Claim 6, wherein communicating the CS bearer information by way of an SDP comprises communicating at least some of the CS bearer information via a sub-field of a media type, wherein the sub-field is particular to communication flows via the CS network.
- 1 10. The method of Claim 9, wherein communicating the CS bearer information 2 by way of an SDP further comprises communicating at least some of the CS bearer 3 information via an SDP connection data field identifying the CS network.
- 1 11. The method of Claim 9, wherein communicating the CS bearer information 2 by way of an SDP further comprises communicating at least some of the CS bearer 3 information via an SDP attribute indicative of a type of the communication flow to be 4 effected via the CS network.
- 1 12. The method of Claim 6, wherein communicating the CS bearer information 2 by way of an SDP comprises communicating at least some of the CS bearer information 3 via a sub-field of an application media type, wherein the sub-field is particular to the 4 communication flows via the CS network.

1	13.	The method of Claim 12, wherein communicating the CS bearer	
2		by way of an SDP further comprises communicating at least some of the CS	
3	bearer inform	nation via an SDP connection data field identifying the CS network.	
1	14.	The method of Claim 12, wherein communicating the CS bearer	
2	information 1	by way of an SDP further comprises communicating at least some of the CS	
3	bearer information via an SDP attribute indicative of a type of the communication flow to		
4	be effected via the CS network.		
1	15.	The method of Claim 6, wherein communicating the CS bearer information	
2	by way of an	SDP comprises communicating at least some of the CS bearer information	
3	via a session-level attribute indicating that the communication flow is to be effected via the		
4	CS network.		
1	16.	The method of Claim 3, wherein communicating CS bearer information	
2	comprises co	ommunicating the CS bearer information by way of a CS-specific content type	
3	value associa	ated with a SIP Content-Type header.	
1	17.	The method of Claim 3, wherein communicating CS bearer information	
2	comprises co	ommunicating the CS bearer information by way of a CS-specific value	
3	associated w	ith a CS-specific SIP header.	
1	18.	The method of Claim 1, wherein communicating CS bearer information	
2	comprises co	ommunicating the CS bearer information by way of a session description	
3	definition pro	ovided via the dialog.	
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1	19.	The method of Claim 1, wherein communicating CS bearer information	
2	comprises co	ommunicating the CS bearer information by way of a CS-specific content type	
3	value associa	ated with a header of a signaling protocol operable in the PS multimedia	
4	network.		

1	20.	The method of Claim 1, wherein communicating CS bearer information	
2	comprises co	mmunicating the CS bearer information by way of a CS-specific value	
3	associated with a CS-specific header of a signaling protocol operable in the PS multimedi		
4	network.		
1	21.	The method of Claim 1, wherein providing at least one service comprises	
2	providing at 1	least one of a multimedia Caller Line Identification service, video service,	
3	audio service	, video telephony service, multimedia conference service, voicemail, call	
4	forwarding, o	call transfer, and application sharing service.	
1	22.	The method of Claim 1, wherein effecting the communication flow between	
2	the plurality	of terminals via the CS network comprises communicating real-time media	
3	through the C	CS network.	
1	23.	The method of Claim 1, wherein effecting the communication flow between	
2	the plurality	of terminals via the CS network comprises communicating a conversational	
3	quality of ser	vice class flow through the CS network.	
1	24.	The method of Claim 1, wherein effecting the communication flow between	
2	the plurality	of terminals via the CS network comprises communicating a streaming quality	
3	of service cla	ss flow through the CS network.	
1	25.	The method of Claim 1, wherein effecting the communication flow between	
2	the plurality	of terminals via the CS network comprises communicating at least one of a	
3	voice call, vi	deo transmission, audio transmission, and facsimile transmission through the	
4	CS network.		
1	26.	A method for establishing a circuit-switched (CS) connection between at	
2	least two terr	ninals, comprising:	
3		establishing a dialog between the at least two terminals through a packet-	
4	switched (PS	) multimedia network;	

5	communicating CS bearer information between the at least two terminals		
6	via the dialog, wherein the CS bearer information includes at least an indication that a		
7	communication flow is requested via a CS network;		
8	establishing a connection via the CS network based at least in part on the		
9	CS bearer information provided via the dialog; and		
10	effecting the communication flow between the at least two terminals using		
11	the connection established via the CS network.		
1	27. The method of Claim 26, wherein the PS multimedia network comprises an		
2	Internet Protocol Multimedia Subsystem (IMS), and wherein establishing a dialog between		
3	a plurality of terminals comprises establishing a dialog using a Session Initiation Protocol		
4	(SIP) through the IMS.		
1	28. The method of Claim 26, wherein establishing the dialog between the at		
2	least two terminals through the PS multimedia network comprises establishing the dialog		
3	between the plurality of terminals utilizing Session Initiation Protocol (SIP) via a SIP		
4	infrastructure.		
1	29. A terminal for receiving services via a packet-switched (PS) multimedia		
2	network and communicating via a circuit-switched (CS) network, comprising:		
3	a processing system;		
4	a first user agent operable via the processing system and configured to		
5	establish a dialog with at least one targeted recipient terminal through the PS multimedia		
6	network, and to communicate CS bearer information to the at least one targeted recipient		
7	terminal via the dialog, wherein the CS bearer information includes at least an indication		
8	that a communication flow is requested via a CS network; and		
9	a second user agent operable via the processing system and configured to		
10	effect the communication flow between the terminal and the at least one targeted recipient		
11	terminal via the CS network as directed by the CS bearer information.		

1	30.	The terminal as in Claim 29, wherein the PS multimedia network comprises	
2	an Internet Pro	otocol Multimedia Subsystem (IMS), and wherein the first user agent is	
3	further config	ured to utilize at least one service provided via the IMS.	
1	31.	The terminal as in Claim 29, wherein the first user agent comprises a	
2	Session Initiat	tion Protocol (SIP) user agent, and wherein the dialog is effected using SIP.	
1	32.	The terminal as in Claim 31, further comprising a session description user	
2	agent operativ	vely coupled to the SIP user agent, wherein the session description user agent	
3	is configured to provide the CS bearer information to be communicated by the SIP user		
4	agent.	·	
1	33.	The terminal as in Claim 32, wherein the session description user agent	
2	comprises a S	ession Description Protocol (SDP) user agent configured to provide the CS	
3	bearer inform	ation via a media type particular to communication flow via the CS network.	
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1	34.	The terminal as in Claim 32, wherein the session description user agent	
2	comprises a S	ession Description Protocol (SDP) user agent configured to provide the CS	
3	bearer information via a sub-field of a media type, wherein the sub-field is particular to		
4	communication	on flow via the CS network.	
1	35.	The terminal as in Claim 32, wherein the session description user agent	
2	comprises a Session Description Protocol (SDP) user agent configured to provide the CS		
3	bearer information via a sub-field of an application media type, wherein the sub-field is		
4	particular to t	he communication flow via the CS network.	

comprises a Session Description Protocol (SDP) user agent configured to provide the CS

bearer information via a session-level attribute indicating that the communication flow is

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to be effected via the CS network.

The terminal as in Claim 32, wherein the session description user agent

1	37.	The terminal as in Claim 31, wherein the SIP user agent is configured to	
2	provide the CS bearer information via a CS-specific content type value associated with		
3	SIP Content-Type header.		
1	38.	The terminal as in Claim 31, wherein the SIP user agent is configured to	
2	provide the C	CS bearer information via a CS-specific value associated with a CS-specific	
3	SIP header.		
1	39.	The terminal as in Claim 29, wherein the terminal comprises a mobile	
2		•	
3	•		
3	Access Netw	OIK (RAIN).	
1	40.	A system for providing Internet Protocol Multimedia Subsystem (IMS)-	
2	based services to users communicating time delay-sensitive information over a circuit		
3			
4		a receiver terminal;	
5		a sender terminal comprising:	
6		a sender terminal processing system;	
7		a sender terminal Session Initiation Protocol (SIP) user agent	
8	opera	ble via the sender terminal processing system and configured to initiate a	
9	dialog	g with the receiver terminal through the IMS, and to communicate CS bearer	
10	information to the receiver terminal via the dialog, wherein the CS bearer		
11	information includes at least an indication that a communication flow with the		
12	receiver terminal is requested via a CS network; and		
13	a sender terminal CS communication user agent operable via the		
14	sende	er terminal processing system and configured to effect the communication	
15	flow	with the receiver terminal via the CS network as directed by the CS bearer	
16	inform	nation;	
17		wherein the receiver terminal comprises:	
18		a receiver terminal processing system;	

19	a receiver terminal SIP user agent operable via the recipient termina			
20	processing system and configured to recognize the CS bearer information, and to			
21	1 respond to the sender terminal ac	respond to the sender terminal acknowledging receipt of the CS bearer informatio		
22	2 and			
23	3 a receiver termina	l CS communication user agent operable via the		
24	4 receiver terminal processing syst	em and configured to effect the communication		
25	flow with the sender terminal via the CS network as directed by the CS bearer			
26	6 information.			
1	1 41. A computer-readable me	dium having instructions stored thereon which are		
2	2 executable by a computer system for est	ablishing a circuit-switched (CS) connection		
3	3 between at least two terminals by perfor	between at least two terminals by performing steps comprising:		
4	establishing a dialog betw	veen the at least two terminals through a packet-		
5	5 switched (PS) multimedia network;	switched (PS) multimedia network;		
6	6 communicating CS beare	r information between the at least two terminals		
7	via the dialog, wherein the CS bearer information includes at least an indication that a			
8	8 communication flow is requested via a G	CS network;		
9	9 establishing a connection	via the CS network based at least in part on the		
10	0 CS bearer information provided via the	CS bearer information provided via the dialog; and		
11	1 effecting the communication	tion flow between the at least two terminals using		
12	2 the connection established via the CS ne	twork.		
1	1 42. The computer-readable n	nedium as in Claim 41, wherein the PS multimedia		
2	2 network comprises an Internet Protocol	Multimedia Subsystem (IMS), and wherein the		
3	3 instructions for performing the step of e	instructions for performing the step of establishing a dialog between a plurality of		
4	4 terminals comprise instructions for estab	olishing a dialog using a Session Initiation Protocol		
5	5 (SIP) through the IMS.			
1	1 43. The computer-readable n	nedium as in Claim 42, wherein the instructions for		
2	2 performing the step of communicating (	CS bearer information comprise instructions for		

- 3 communicating the CS bearer information by way of a CS-specific content type value
- 4 associated with a SIP Content-Type header.
- 1 44. The computer-readable medium as in Claim 42, wherein the instructions for 2 performing the step of communicating CS bearer information comprise instructions for
- communicating the CS bearer information by way of a CS-specific value associated with a
- 4 CS-specific SIP header.
- 1 45. The computer-readable medium as in Claim 42, wherein the instructions for
- 2 performing the step of communicating CS bearer information comprise instructions for
- 3 communicating the CS bearer information by way of a session description definition
- 4 provided via the SIP dialog.
- 1 46. The computer-readable medium as in Claim 45, wherein the session
- 2 description definition comprises a Session Description Protocol (SDP), and wherein the
- 3 instructions for communicating the CS bearer information by way of the SDP comprise
- 4 instructions for communicating at least some of the CS bearer information via a media type
- 5 particular to communication flows via the CS network.
- 1 47. The computer-readable medium as in Claim 45, wherein the session
- 2 description definition comprises a Session Description Protocol (SDP), and wherein the
- 3 instructions for communicating the CS bearer information by way of the SDP comprise
- 4 instructions for communicating at least some of the CS bearer information via a sub-field
- 5 of a media type, wherein the sub-field is particular to communication flows via the CS
- 6 network.
- 1 48. The computer-readable medium as in Claim 45, wherein the session
- 2 description definition comprises a Session Description Protocol (SDP), and wherein the
- 3 instructions for communicating the CS bearer information by way of the SDP comprise
- 4 instructions for communicating at least some of the CS bearer information via a sub-field

- 5 of an application media type, wherein the sub-field is particular to the communication
- 6 flows via the CS network.
- 1 49. The computer-readable medium as in Claim 45, wherein the session
- 2 description definition comprises a Session Description Protocol (SDP), and wherein the
- 3 instructions for communicating the CS bearer information by way of the SDP comprise
- 4 instructions for communicating at least some of the CS bearer information via a session-
- 5 level attribute indicating that the communication flow is to be effected via the CS network.